

**ABSTRACT OF THE DISCLOSURE**

A multi-lamp backlight system. The system comprises a core, a first coil set wrapped around the core, to which a first AC voltage is applied, a second and third coil sets 5 wrapped around the core and respectively disposed on two sides of the first coil set, on which a second and third AC voltage are induced by the first voltage signal applied to the first coil set respectively, wherein the numbers of coils of the second and third coil sets are substantially 10 the same, and first and second lamps are supplied with power by the second and third AC voltages respectively.